

# Notice of Allowability

Application No.

09/808,664

Examiner

Richard Chang

Applicant(s)

SPOONER, ROBERT JOHN

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09/14/2005.
2. ☒ The allowed claim(s) is/are 3-4, 7-13 and 15, renumbered as 1-10.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## **DETAILED ACTION**

### **Response to Amendment**

1. Applicants' amendments and arguments, see amendment, filed on 9/14/2005, with respect to Claims 1-15 have been fully considered and are persuasive. The 35U.S.C.103/112 rejections have been withdrawn. None of the previously cited reference teaches the Claims 3-4, 7-13 and 15.

Claim 1-2, 5-6 and 14 had been canceled.

### ***Allowable Subject Matter***

2. Claims 3-4, 7-13 and 15 are allowed.

### ***Examiner's Statement of Reasons for Allowance***

3. The following is an examiner's statement of reasons for allowance:

The prior art along or in combination fails to teach or make obvious the limitations comprising:

“a transfer clock generator, responsive to the system clock, generating a transfer clock at a high rate relative to the system clock; and a parallel to serial register, for dividing an input word into a plurality of smaller words and transmitting them over corresponding serial sub-links in response to the transfer clock wherein the

transmitter is initialized by sending one or more bit alignment code words" as recited in the independent claim 3.

"a plurality of serial to parallel registers coupled to corresponding serial sub-links, for converting received serial data words from the sub-links into parallel form; and, a clock generator, responsive to the received data, for generating a low speed clock with a frequency nominally equal to the system clock wherein a buffer memory for each sub-link for storing a predetermined number of received words; and a circuit for reading the buffer memories in synchronism under control of the system clock in order to reconstitute the input data word" as recited in the independent claim 7, and

"a plurality of serial to parallel registers coupled to corresponding serial sub-links, for converting received serial data words from the sub-links into parallel form; and, a clock generator, responsive to the received data, for generating a low speed clock with a frequency nominally equal to the system clock wherein the low speed clock generator includes an edge detector for detecting incoming data and providing an output to a divider for aligning the low speed clock with recovered data and for applying the same to the serial to parallel register for clocking out parallel words from the register" as recited in the independent claim 11.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany

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the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Chang whose telephone number is (571) 272-3129. The examiner can normally be reached on Monday - Friday from 8 AM to 5 PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on (571) 272-3139. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



rkc

Richard Chang  
Patent Examiner  
Art Unit 2663

  
SPE, A.U. 2663